



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 76 02 41

Classification of the application (IPC):

A61B 18/02, A61B 18/00, A61B 18/14, A61B 18/18, A61B 10/02, A61B 10/04, A61B 17/00, A61B 90/30, A61B 90/00

Technical fields searched (IPC):

A61B 18/02, A61B 18/00, A61B 18/14, A61B 18/18, A61B 10/02, A61B 10/04, A61B 17/00, A61B 90/30, A61B 90/00

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2003195436 A1 (VAN BLADEL KEVIN H [US] ET AL) 16 October 2003 (2003-10-16) * paragraph [0031] - paragraph [0065]; figures 1-26 *	1, 2, 15
X	US 2011071427 A1 (FISCHER KLAUS [DE] ET AL) 24 March 2011 (2011-03-24) * paragraph [0006] - paragraph [0007] * * paragraph [0039] - paragraph [0050]; figures 1-11 *	1, 2, 4-9, 15
X	US 2010198202 A1 (FISCHER KLAUS [DE] ET AL) 05 August 2010 (2010-08-05) * paragraph [0033] - paragraph [0045]; figures 1-7 *	1, 2, 4, 6-9, 15
A	US 2016206295 A1 (KRAMER MORDECHAI [IL] ET AL) 21 July 2016 (2016-07-21) * the whole document *	1, 2, 4-9, 15
X A	US 2007055173 A1 (DELONZOR RUSSELL L [US] ET AL) 08 March 2007 (2007-03-08) * paragraph [0025] - paragraph [0030] * * paragraph [0038] - paragraph [0052] * * paragraph [0057]; figures 1-13D *	3, 11, 12 1, 2, 4-10, 13-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 14 February 2022	Examiner Jansson Godoy, Nina
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1, 2, 15(completely); 4-9(partially)

The system for cryogenic biopsy sampling comprising a housing coupled to the proximal end of the dual lumen tube; the first and second port being coupled to the housing and the elongated probe element, and the second lumen providing a closed pathway through which a substance introduced. As such, a cryogenic biopsy sampling device is obtained wherein the cooling fluid never contacts the surrounding tissue.

2. claims: 3, 10-14(completely); 4-9(partially)

The system for cryogenic biopsy sampling comprising an electronically controllable valve coupled to the first port, wherein the electronically controllable valve provides a connection between the first port and a coolant storage vessel; and a controller to open the valve during a first period of time to cause coolant to flow from the coolant storage vessel into the elongated probe element, and close the valve during a second period of time subsequent to the first period of time, wherein coolant flows from the elongated probe element through the second lumen and out of the second port of the proximal housing during at least the second period of time. Thereby a system is achieved that allows the coolant entering the tip to rapidly expand.

All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 14 February 2022	Examiner Jansson Godoy, Nina
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& : member of the same patent family, corresponding document	L: document cited for other reasons

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**ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT**

 Application number:
EP 19 76 02 41

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 14-02-2022
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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